

## Product datasheet for **SC107983**

### ZNF426 (NM\_024106) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF426 (NM_024106) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZNF426
Synonyms:	K-RBP
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_024106, the custom clone sequence may differ by one or more nucleotides

```
ATGGCAGCTGCTGATTTGTCCCATGGACATTATCTTTCTGGGGACCCAGTTTGCCTTCATGAAGAAAAGA
CACCAGCAGGAAGAATAGTGGCTGACTGCCTAACAGATTGTTATCAGGATTCAGTGACCTTTGACGATG
GGCTGTGGACTTCACCCAGGAGGAGTGGACTTTACTGGACTCAACTCAGAGAAGCCTCTACAGTGACGTG
ATGCTGGAGAAGTACAAGAACCTGGCCACAGTAGGAGGTCAGATCATCAAACCCAGTCTAATCTCTTGGT
TGGAAACAAGAAGAGTCAAGGACAGTTTCAGGGAGGAGTTCTCCAAGGATGGGAAATGCGACTTGAAACCCA
GTGGTCTATACTTCAGCAGGACTTTTTGAGGGGTGAGACATCCATTGGGATACAATTGGAAGGAAAACAC
AATGGAAGGGAAGTCTGTGACTGTGAGCAATGTGGAGAAGTCTTCAGTGAACACTCATGCCTTAAGACGC
ACGTGAGAAGTCAAAGTACAGGGAACACTCATGACTGTAATCAGTATGAAAAAGATTTCTTACCCTGTG
TGAAAAACCTCTACTGGTGAGAACTTTCTGAGTTTAATCAGAGTGAAAAATCTTCAGCCTGACACCA
AATATTGTATACCAGAGAAGTACACACAAGAAAAGTCATTTGAATGTAGTCACTGTGAAAAATCCTTCA
TTAATGAGTCATACCTTCAGGCACATATGAGAAGTCAAAATGGAGAAAACTCTACGAATGGAGGAATTA
TGGGCCAGGTTTTATTGACTCTACAAGCCTTTCTGTGCTTATAGAAAACCTCAATGCAAAAAAGCCCTAC
AAATGTAAGGAATGTGGAAAAGGCTATAGATACCCAGCCTACCTCAGTATTCACATGCGAACCCACACTG
GGGAGAAAACCATATGAATGTAAGGAATGTGGAAAAGCCTTCAATTATCCAACCTCATTTCAGATACATGG
AAGAACTCACACTGGAGAGAAAACCTATGTATGTAAGGAATGTGGGAAAGCCTTCACTCAGTACTCGGGC
CTTAGTATGCATGTACGATCTCACAGTGGAGACAAGCCCTATGAATGTAAGGAATGTGGGAAATCCTTCC
TTACATCTCACGCTTATTCAACATATAAGAAGTCAACTGGAGAGAAGCCTTTTGTATGTGTTGAATG
TGGGAAAGCCTTTCAGTTCCTCAAATCTTAGTGGACATTTGAGAAGTCAACTGAAGAGAAGGCCTGT
GAGTGTAAAGATATGTGGGAAAGTATTTGGGTATCCCTCATGTCTTAATAATCACATGCGAACGCACAGT
CCAGAAAACCATACACCTGTAAGGAATGTGGGAAAGCCTTTTAACTATTCCACCCACTTAAAATTCACAT
GCGAATCCACACTGGAGAAAAACCTATGAGTGTAAACAATGTGGAAAGCCTTCACTCATTCCAGTTCA
TTTCAAATACATGAAAGGACTCACACTGGAGAGAAAACCTATGAATGCAAGGAGTGTGGGAAAGCCTTCA
CGTGTTCAGTTCCTTTAGAATTCATGAAAAAGTCAACACAGAGAAGAAAACCTATAAATGTCAGCAATG
CGGAAAGCTTACAGTCATCCCCGTTCACTTCGAAGACATGAACAATTCAGTAC
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**5' Read Nucleotide Sequence:**

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>OriGene 5' read for NM_024106 unedited
TTCACATTTTTGTAATACGACTTCACTATAGGGCGGCCGCGCAATTCGCACGAGGGAGAT
TGCCACTGTCCATTTAGATTAATGAGGTGTCTGAAGTGATGGTGACATCAATGAAAGGA
GGGTTCTGACACGTTCTCACCTCGCGGGATGGCAGCTGCTGATTTGTCCCATGGACATTA
TCTTTCTGGGGACCCAGTTTGCCTTCATGAAGAAAAGACACCAGCAGGAAGAATAGTGGC
TGACTGCCTAACAGATTGTTATCAGGATTCAGTGACCTTTGACGATGTGGCTGTGGACTT
CACCCAGGAGGAGTGGACTTTACTGGACTCAACTCAGAGAAGCCTCTACAGTGACGTGAT
GCTGGAGAAGTACAAGAACCTGGCCACAGTAGGAGGTCAGATCATCAAACCCAGTCTAAT
CTCTTGGTTGGAACAAGAAGAGTCAAGGACAGTTTCAGGGAGGAGTTCTCCAAGGATGGGA
AATGCGACTTGAAACCCAGTGGTCTATACTTCAGCAGGACTTTTTGAGGGGTGAGACATC
CATTGGGATACAATTGGAAGGAAAACACAATGGAAGGGAAGTCTGTGACTGTGAGCAATG
TGGAGAAGTCTTCAGTGAACACTCATGCCTTAAGACGCACGTGAGAACTCAAAGTACAGG
GAACACTCATGACTGTAATCAGTATGAAAAAGATTTCTTACCCTGTGTGAGAAAACCTC
TACTGGTGAGAACTTTCTGAGTTTAATCACAGTAAAAAATCTCCACCCTGACACCAAA
TATTGTATACCCAGAGAAGTACACACAGCAAAAGTCACTTTGATGTATTCAGTGTGGAA
AATCCTTCATTATTGAGTCATACCTTCAGGCCATATGAGAAGTCAAAATGGAGAAAAAC
TCTACCAATGGAGGAAATATTGGCCAGTTTTAT
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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_024106 unedited GCCGCAATCTAGTGTGCGAGTTTTTTTTTTTTTTTTTTTTATAGGGACACCAATCATATTGGA TTAGGGATGTAAGTCTAACAGACTCAATTAATCAAATAATTTCTTTTTTTTTTTTTTTTT GAGATGGAGTCTCACTCCATCGCCAGGCTGGAGTGCAGTGGCATGATCTCTGCTCACTG CAACCTCTGCTTCTGGGTTCAAGTGATTCACTTGCCCTCAGCCTCCCAAGTAGCTGGGAT TACAGGTGCCACCACACCTGGCTAAATTTTTGTATTTTCAGTAGAGACAAGGTTTCAC CATGTTGGCCAGGTTGGTCTCAAACCTGACCTCAAGTGATCCACCCACCTCAGCCTCT CAAAATGCTGGGATTACAGGAATTAAGTAATTTTCATGCAGCTTCTTCTCAGAGTGA GTTCATTCATGTCTTTAAAGTGAAGTGAACAAATGAGAGCTTTCCACATTTATTACAT GGACAGTTTCTCACTAGTGAATTTGTTTCATGTCTTCAAGTGAACGGNGATGACTGTAAG CTTTCCCGCATTGCTGACATTTATAGGGTTTCTTCTGTGTGAGTTTTTTCATGAATTC TAAAGGAAGTGAACACGTGAAGGCTTTCCACACTCCTTGCAATTCATAGGGTTTCTCTC CAGTGTGAGGTCTTTCATGTATTTGAAATGAAGTGAAGTGAAGGCTTTCCACAT TGTTACACTCATAGGGTTTTTCTCAATGGGGATCCCATGTGAATTTAAGGCGGGGAA TTAGTTAAAGCCCTCCACATTCCTACAGGTGGTATGTTTCTTGGCACTGTGCCGTTCC CTGTGATTTTAAGACATGAGGGTACCCCAATCTTCCCCCTATCTTACACTCACAGCCCT CTCTCCANGGGAGTCTCAATGTCCCTAGATTTGAGAAGTGAAGGCTTCCCACTTAAC CTACAAAAGCTCTCTCCAGTGAG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_024106
<b>Insert Size:</b>	2260 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_024106.1</a></u> , <u><a href="#">NP_077011.1</a></u>
<b>RefSeq Size:</b>	2320 bp
<b>RefSeq ORF:</b>	1665 bp
<b>Locus ID:</b>	79088
<b>UniProt ID:</b>	<u><a href="#">Q9BUY5</a></u>
<b>Cytogenetics:</b>	19p13.2
<b>Domains:</b>	KRAB, zf-BED, zf-C2H2

**Protein Families:** Transcription Factors

**Gene Summary:** Kaposi's sarcoma-associated herpesvirus (KSHV) can be reactivated from latency by the viral protein RTA. The protein encoded by this gene is a zinc finger transcriptional repressor that interacts with RTA to modulate RTA-mediated reactivation of KSHV. While the encoded protein can repress KSHV reactivation, RTA can induce degradation of this protein through the ubiquitin-proteasome pathway to overcome the repression. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2015]  
Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.